



AD/ADVANTAGE

MANTIS Installation, Startup, and
Configuration
MVS/ESA, OS/390

P39-5018-00




AD/Advantage® MANTIS Installation, Startup, and Configuration MVS/ESA, OS/390

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Release information for this manual

The *AD/Advantage MANTIS Installation, Startup, and Configuration MVS/ESA, OS/390*, P39-5018-00, is dated October 30, 2001. This document supports an upgrade from MANTIS Release 5.4.

We welcome your comments

We encourage critiques concerning the technical content and organization of this manual. Please take the [survey](#) provided with the online documentation at your convenience.

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About this book

Using this document

MANTIS is an application development system that consists of design facilities (e.g., screens and files) and a programming language. This manual describes startup and configuration of MANTIS for MVS/CICS installations.

Document organization

The information in this manual is organized as follows:

Chapter 1—Release 5.5.01 highlights

Describes MANTIS 5.5.01's new or enhanced features and the 5.5.01 Customization Macro's added or changed parameters.

Chapter 2—Downward compatibility issues

Describes the changes to the transfer file. Also describes a procedure for applying a fix that prevents you from corrupting the MANTIS 5.5.01 transfer file when you write to it from MANTIS 5.4.01.

Chapter 3—MANTIS Installation Wizard (MAIWI)

Describes the MAIWI procedure for installing MANTIS. Also describes running MANTIS, using the MANTIS Windows Client, and uninstalling MANTIS.

Chapter 4—Batch Dialog Facility

Describes the Batch Dialog Facility procedure for adding additional authorization records, and also describes the Batch Dialog Facility return codes.

Chapter 5—Customizing MANTIS after the install

Describes procedures for customizing the start up, menu, and termination programs. Also describes considerations for MASTER:SIGN_ON, an HPO users' procedure to create program profiles for protected libraries, HPO users' considerations for nominating the Shared Pool list, and a procedure to run the split SETPRAY utility.

Chapter 6—Installing AD/Advantage

Describes preliminary considerations for AD/Advantage installation and the AD/Advantage installation procedure.

Chapter 7—Verifying MANTIS SQL support

Describes when MANTIS SQL Support installation is complete and explains how to verify that MANTIS SQL support is available.

Chapter 8—Performing XREF batch maintenance

Provides notes concerning XREF batch maintenance.

Chapter 9—Installing SSF SL2033

Describes the procedure for installing SSF SL2033 in several situations: after a new MANTIS installation (with or without AD/Advantage) and after a MANTIS reinstallation (with or without AD/Advantage).

Appendix A—New MANTIS 5.5.01 messages

Lists new MANTIS 5.5.01 messages.

Appendix B—Renaming a program entity

Describes the procedure for renaming a program entity.

Appendix C—Renaming a screen entity

Describes the procedure for renaming a screen entity.

Conventions

The following table describes the conventions used in this document series:

Convention	Description	Example
Constant width type	Represents screen images and segments of code.	Screen Design Facility GET NAME LAST INSERT ADDRESS
Slashed b (b)	Indicates a space (blank). The example indicates that a password can have a trailing blank.	WRITEPASSb
Brackets []	Indicate optional selection of parameters. (Do not attempt to enter brackets or to stack parameters.) Brackets indicate one of the following situations. A single item enclosed by brackets indicates that the item is optional and can be omitted. The example indicates that you can optionally enter a program name.	COMPOSE [program-name]
	Stacked items enclosed by brackets represent optional alternatives, one of which can be selected. The example indicates that you can optionally enter NEXT, PRIOR, FIRST, or LAST. (NEXT is underlined to indicate that it is the default.)	<div> <div>NEXT</div> <div>PRIOR</div> <div>FIRST</div> <div>LAST</div> </div>

Convention	Description	Example
Braces { }	<p>Indicate selection of parameters. (Do not attempt to enter braces or to stack parameters.) Braces surrounding stacked items represent alternatives, one of which you must select.</p> <p>The example indicates that you must enter FIRST, LAST, or a value for <i>begin</i>.</p>	<div><div>FIRST</div><div><i>begin</i></div><div>LAST</div></div>
<u>Underlining</u> (In syntax)	<p>Indicates the default value supplied when you omit a parameter.</p> <p>The example indicates that if you do not specify ON, OFF, or a row and column destination, the system defaults to ON.</p>	<div>SCROLL<div><div>ON</div><div>OFF</div><div>[<i>row</i>][<i>col</i>]</div></div></div>
	<p>Underlining also indicates an allowable abbreviation or the shortest truncation allowed.</p> <p>The example indicates that you can enter either PRO or PROTECTED.</p>	<div>PROTECTED</div>
Ellipsis points...	<p>Indicate that the preceding item can be repeated.</p> <p>The example indicates that you can enter (A), (A,B), (A,B,C), or some other argument in the same pattern.</p>	<div>(<i>argument</i>,...)</div>

Convention	Description	Example
UPPERCASE	<p>Indicates MANTIS reserved words. You must enter them exactly as they appear.</p> <p>The example indicates that you must enter CONVERSE exactly as it appears.</p>	CONVERSE <i>name</i>
<i>Italics</i>	<p>Indicate variables you replace with a value, a column name, a file name, and so on.</p> <p>The example indicates that you can supply a name for the program.</p>	COMPOSE [<i>program-name</i>]
Punctuation marks	<p>Indicate required syntax that you must code exactly as presented.</p> <p>() parentheses . period , comma : colon ; semicolon ' single quotation mark " " double quotation marks</p>	$[\text{LET}]_v \begin{bmatrix} (i) \\ (i, j) \end{bmatrix} [\text{ROUNDED}(n)] = e1 [, e2, e3 \dots]$

MANTIS documentation series

MANTIS is an application development system designed to increase productivity in all areas of application development, from initial design through production and maintenance. MANTIS is part of AD/Advantage, which offers additional tools for application development. Listed below are the manuals offered with MANTIS in the IBM® mainframe environment, organized by task. You may not have all the manuals listed here.

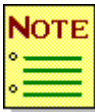
MASTER User tasks

- ◆ *MANTIS Installation, Startup, and Configuration, MVS/ESA, OS/390, P39-5018*
- ◆ *MANTIS Installation, Startup, and Configuration, VSE/ESA, P39-5019*
- ◆ *MANTIS Administration, OS/390, VSE/ESA, P39-5005*
- ◆ *MANTIS Messages and Codes, OS/390, VSE/ESA, P39-5004**
- ◆ *MANTIS Administration Tutorial, OS/390, VSE/ESA, P39-5027*
- ◆ *MANTIS XREF Administration, OS/390, VSE/ESA, P39-0012*

General use

- ◆ *MANTIS Quick Reference, OS/390, VSE/ESA, P39-5003*
- ◆ *MANTIS Facilities, OS/390, VSE/ESA, P39-5001*
- ◆ *MANTIS Language, OS/390, VSE/ESA, P39-5002*
- ◆ *MANTIS Program Design and Editing, OS/390, VSE/ESA, P39-5013*
- ◆ *MANTIS Messages and Codes, OS/390, VSE/ESA, P39-5004**
- ◆ *AD/Advantage Programming, P39-7001*
- ◆ *MANTIS DB2 Programming, OS/390, VSE/ESA, P39-5028*

- ◆ *MANTIS SUPRA SQL Programming, OS/390, VSE/ESA*, P39-3105
- ◆ *MANTIS XREF, OS/390, VSE/ESA, OpenVMS*, P39-0011
- ◆ *MANTIS Entity Transformers*, P39-0013
- ◆ *MANTIS DL/I Programming, OS/390, VSE/ESA*, P39-5008
- ◆ *MANTIS SAP Facility, OS/390, VSE/ESA*, P39-7000
- ◆ *MANTIS WebSphere MQ Programming*, P39-1365
- ◆ *MANTIS Application Development Tutorial, OS/390, VSE/ESA*, P39-5026



Manuals marked with an asterisk (*) are listed twice because you use them for both MASTER User and general tasks.

Educational material

AD/Advantage and MANTIS educational material is available from your regional Cincom education department.

1

Release 5.5.01 highlights

New or enhanced features

The features described in this section are new or enhanced in MANTIS 5.5.01:

- ◆ **MANTIS Search Facility is now included with release 5.5.01.**
This facility enables you to search your MANTIS libraries for occurrences of your search strings and to list the entities in which your search strings occur. For example, you can search program and screen entities for a variable name and view the resulting list of all program and screen entities in which the variable name occurs.
- ◆ **WebSphere Message Queuing Interface.** Formerly known as MQSeries. A new MANTIS facility for the creation of MQSeries interfaces. This is an “open API” to MANTIS routines. It enables:
 - MANTIS to communicate with any other MQSeries-enabled task.
 - Any other MQSeries-enabled task to communicate with or invoke a MANTIS routine.
- ◆ **MANTIS Windows Client.** A Graphical Developer Tool that is provided via gOOi for Smalltalk. A graphical user interface improves the productivity of MANTIS program developers who are executing design facilities. During design processes, the entity browser permits each of multiple library entities to have its own open window.

- ◆ **gOOi (MANTIS' Graphical Object-Oriented Interface).** Now included is a limited-use copy of the gOOi for Smalltalk SDK (Software Development Kit), release 4.0.01. This enables the design and implementation of GUI Mantis applications for end-user deployment. A full gOOi SDK is available that allows you to further tailor your MANTIS application suite and deploy your GUI designs as Windows- or Web-based applications.
- ◆ **Install Wizard.** MANTIS installation and upgrade is greatly simplified and streamlined with a new panel-driven process.
- ◆ **Concurrent User Count.** User Count now changes to reflect the number of users actually signed on, rather than the total number of users to sign on since CICS started. This enables user counts to reflect concurrent usage instead of cumulative usage, more accurately reflecting usage when you use dynamically assigned terminal IDs.
- ◆ **MANTIS Customization Facility (MCF).** Enables the system administrator to easily review installation and customization options currently in effect. Helps simplify debugging for support issues.
- ◆ **Documentation changes.** The documentation set is now available on CD-ROM. Also, it includes the following guides to help you train new staff:
 - *MANTIS Administration Tutorial, OS/390, VSE/ESA*, P39-5027
 - *MANTIS Application Development Tutorial, OS/390, VSE/ESA*, P39-5026
- ◆ **Expanded Transfer.** Cincom has increased the Transfer Facility's bin capacity to 5,000 bins and file capacity to 30,000 files. Also, bin creation performance has improved.
- ◆ **Improved Supra V1 RDM Sign-on and API.** MANTIS now communicates with Supra RDM using the standard module CSVNICIC. This reduces some of the sign-on and configuration difficulties encountered in past releases.

Parameters added or changed in Release 5.5.01's Customization Macro

The following table lists the parameters that have been added (*) or changed (**) in Release 5.5.01's Customization Macro. For more information on these parameters, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005:

Parameter	Description
CICSPLX=**	Indicates that MANTIS is used in a CICS/PLEX environment.
CKMPSET=*	If a screen is not contained in a map set, determines whether the FALSE condition is returned on the CURSOR function.
CLVSAM=*	Determines if all open VSAM files should be closed on COMMIT in batch.
CMDIAG=**	Provides diagnostic information. Disables MANTIS issuing a CICS handle ABEND.
CURPRFL=*	Allows the programmer to position the cursor on a protected field.
ENOTEMAX=*	Number of significant digits displayed in unmasked numeric input.
MANTPROG=*	Mantis program name, as defined in the CICS RDO tables.
NUM2TXT=*	Convert large numeric fields to internal TEXT fields.
PRTFTOP=*	Set form feed at the top of the printer data stream.
PRTFBOT=*	Set form feed at bottom of printer data stream.
RESETOT=*	Allows the TOTAL/PDM RESET request to back out TOTAL/PDM database updates.
TEQUERY=**	Handles terminal query in the CICS environment.
TERMFUNC=*	Specifies whether the TERMINAL keyword returns the CICS terminal ID or the VTAM netname.
TISLVL=**	Current TIS or SUPRA release level.

* Added in Release 5.5.01's Customization Macro.

** Changed in Release 5.5.01's Customization Macro.

2

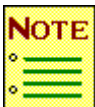
Downward compatibility issues

The internal architecture of the transfer file has changed. As a result, the Transfer Facility now has a capacity of 5,000 bins and 30,000 files.

MANTIS 5.4.01 can read the new 5.5.01 format transfer file. However, MANTIS 5.4.01 cannot write to the 5.5.01 format transfer file. Attempting to write to the 5.5.01 format from MANTIS 5.4.01 may corrupt the transfer file and elicit a MANTIS fault message.

To avoid corrupting the transfer file and seeing the MANTIS fault message, apply a fix to your installation of MANTIS 5.4. Perform the following:

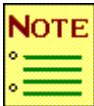
1. Verify that you have a backup of your MANTIS cluster.
2. REPRO REPLACE the MANTIS.R5501.ML010.MCPU5401 (this is the filename on the installation tape) dataset into your MANTIS 5.4.01 cluster.



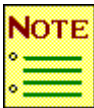
Verify that this is your MANTIS 5.4.01 cluster, as the patch will not apply to MANTIS 5.5.01.

3. Use the MANTIS Code Patch Utility to apply the following fix:

- ◆ **Patch ID:** 010413
- ◆ **Description:** Required patch to access a 5501 TRANSFER cluster from 5401 MANTIS
- ◆ **APMS code:** MN5401



Fix 010413 is a required patch if you wish to access a 5501 transfer file using MANTIS 5.4.01. For more information on the MANTIS Code Patch Utility, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.



The Transfer Conversion Utility Program (TCUP) converts a 5.4.01 format transfer file to the new 5.5.01 format. For more information on TCUP, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

3

MANTIS Installation Wizard (MAIWI)

MANTIS installation process

Starting the MANTIS Install Wizard (MAIWI)

MAIWI leads you through each step of the installation process. To execute it:

1. Download the installation library from the installation tape/cartridge.
2. Execute MAIWI from TSO.

Getting help in MAIWI

The installation process is mostly self-explanatory. During the process, access help by performing one of the following:

- ◆ On the command line, enter HELP and then press ENTER.
- ◆ With the cursor on any field, press PF1.

Overview of the installation procedure

Below is a brief outline of the MAIWI procedure:

1. Execute MAIWI by entering the following on the ISPF Primary Option Menu:

```
TSO EXEC 'your.MANTIS.install.lib(MVXXINST)'.
```

A logo screen appears:

[illegible]

2. Press ENTER.

The Action Selection Menu (MVXPMNU) appears:

```
MVXPMNU ----- Action Selection Menu -----Cincom Systems, Inc. MVXXM
Command ==>                                     Current action Type:
Select an option

    0- Install Exec Options
    1- New MANTIS Installation
    2- Upgrade MANTIS - Clone a New Copy
    3- Upgrade MANTIS - Update Current Copy

    4- Maintenance
    5- Uninstall MANTIS

.----- Navigation Bar -----.
/  HELP      END                                CANC \
'-1-----2-----3-----4-----5-----6-----7-----8-----9-----10-----11-----12-----'
```

3. Select an option.

An appropriate screen appears. The screen depends on the option chosen from the menu screen.

4. Fill out all fields on the current panel.

5. Perform one of the following:

- ◆ Press the Down key to proceed to the next panel. Fill out all fields in this panel, then go on to the next panel. Repeat until the “Installation completed” prompt appears and you return to the Install Action Menu.
- ◆ Press the PF3 key to return to the Main Menu. Select the next option. Fill out all fields in this panel, then return to the Main Menu. Select another option. Repeat until the “Installation completed” prompt appears and you return to the Install Action Menu.

6. Generate JCL.

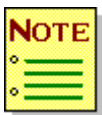
7. Inspect the generated JCL.

8. Execute the job, using your own submit command.

9. Verify the JES output for a normal completion.

10. Fix any problems in the job.

11. If necessary, restart the job from the failing job step.



Most steps have a return code of zero, but some may have a return code of four. This is normal. To find the procedure that you should follow in case you receive a non-zero return code, see the comment block (if one exists) at the beginning of the job.

For details on using the options in the Action Selection Menu, see [“Options on the Action Selection Menu”](#) on the following page.

Options on the Action Selection Menu

For an explanation of each option on the Action Selection Menu (MVXPMNU) and each subsequent menu, select the option and press PF1.

The Action Selection Menu is shown below:

```

MVXPMNU ----- Action Selection Menu -----Cincom Systems, Inc. MVXXM
Command ==>                                     Current action Type:
Select an option

      0- Install Exec Options

      1- New MANTIS Installation
      2- Upgrade MANTIS - Clone a New Copy
      3- Upgrade MANTIS - Update Current Copy

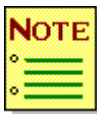
      4- Maintenance
      5- Uninstall MANTIS

.----- Navigation Bar -----.
/  HELP      END                                CANC  \
'-1-----2-----3-----4-----5-----6-----7-----8-----9-----10-----11-----12-----'

```

The options on the Action Selection Menu are:

- ◆ **0– Install Exec Options.** Enables you to change MAIWI options, such as navigation choices and job card handling.
- ◆ **1– New MANTIS Installation.** Assumes that no previously installed MANTIS exists. Provides the steps necessary to complete the installation.
- ◆ **2– Upgrade MANTIS – Clone a New Copy.** Makes a copy of your current MANTIS cluster and upgrades it to the new release or service level. Your original MANTIS cluster is not modified.



MAIWI warns you if the selected DFHRPL library already contains a MANTIS load module with the name you specify here.

- ◆ **3– Upgrade MANTIS – Update Current Copy.** Upgrades your current MANTIS cluster to the new release or service level. Before selecting this option, make a backup copy of your current cluster and your current linked MANTIS.



MAIWI warns you if a MANTIS load module with the name you specify at install time does not exist in the selected DFHRPL library.

- ◆ **4– Maintenance.** Enables you to perform maintenance functions after you have completed MANTIS installation.
- ◆ **5– Uninstall MANTIS.** Allows you to completely reverse MANTIS installation or delete some of the libraries or entities created during installation. If you would like to uninstall MANTIS 5.5.01, perform the following:
 1. Select this option.
 2. Enter the requested information.
 3. Edit and submit the JCL that uninstalls MANTIS. To do this, enter “JCL” or press the assigned JCL PF key.

MANTIS Action Selection Menu's installation and upgrade options

After you select the New MANTIS Installation option (option 1), the Upgrade MANTIS – Clone a New Copy option (option 2), or the Upgrade MANTIS – Update Current Copy option (option 3) from the Action Selection Menu (MVXPMNU), one of the following submenus appears:

- ◆ New Install Menu (MVXPPMI)
- ◆ Upgrade Menu – Clone a new copy (MVXPPMC)
- ◆ Upgrade Menu – Update current copy (MVXPPMU)

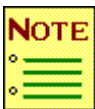
Depending on your selection, you will see some or all of the following choices:

- ◆ **1– Job Card.** In the panel (MVXPPP1) that appears after you select this option, enter all of your basic JOB card information. Before submitting a job as part of the install process, you can change the JOB name or any other JOB parameters.
- ◆ **2– Features Used with MANTIS.** The menu panel (MVXPPM2) that appears after you select this option provides the following options:
 - **1– Secured**—In the panel (MVXPPPS) that appears after you select this option, enter the security information provided to you with your install tape/cartridge. This information includes your installation's features, the MANTIS start and expiration dates, and the required password. MAIWI uses the information that you enter here to determine which files and modules are needed for you installation and to generate the CPU ID security record for your MANTIS.
 - **2– Non-Secured**—In the panel (MVXPPPT) that appears after you select this option, select database and feature options. MAIWI uses this information to determine whether certain modules and files are necessary for your MANTIS installation.

- ◆ **3– Current MANTIS Objects.** (For a new install, this option does not appear.) In the panel (MVXPPP3) that appears after you select this option, enter the dataset names of your current MANTIS files. The file name list is created based upon information that you entered after selecting the Features Used with MANTIS option (option 2) in the MVXPPPT panel.

Current MANTIS objects are upgraded differently, depending on whether you:

- Clone a new copy—MAIWI copies files and, if applicable, upgrades the copies to the new release.
- Update the current copy—MAIWI updates datasets directly.



If you have not already done so, back up your current MANTIS datasets before proceeding.

Enter the names of your current MANTIS datasets. You may also enter the data set name and the member name in which your current job for creating the CSOPCUST customization module is located. This information makes up part of the data that MAIWI uses to create the CSOPCUST customization module for the new release. You will see this information when you select the MANTIS Customization Macro option (option 7) from one of the following screens:

- Upgrade Menu – Clone a new copy (MVXPPMC)
- Upgrade Menu – Update current copy (MVXPPMU)
- ◆ **4– Edit JCL – Extract Release job.** (For a new install, this option does not appear.) In the panel (MVXPPP4) that appears after you select this option, enter “JCL” or use the PF key that you assigned a value of “JCL”.

This step enables you to edit the JCL, built by MAIWI, that extracts the current release number from your MANTIS SETPRAY cluster. MAIWI uses the release number information during installation's tailoring step.



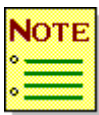
Upon examining the JCL, you will see that two steps at the end of the job inform MAIWI of the job's success or failure. These two steps are found at the end of all installation jobs.

- ◆ **5– New MANTIS Environment.** In the menu panel (MVXPPM5) that appears after you select this option:

- Access panels in which you can provide information about the CICS (Transaction Server) and MANTIS environments.
- Access panels in which you can provide information about your DBMS environment.

To provide information about the CICS and MANTIS environments, select one of the following options:

- 1– CICS Release, Dataset and RDO—In the CICS Environment panel (MVXPPPA), which appears after you select this option, enter the CICS or Transaction Server release you are running, the name of the CICS SDFHLOAD dataset for your system, and the name of the DFHRPL library in which you would like to place the MANTIS executable module created by the CICS link job step. Also, enter the dataset name in which your CICS RDO definitions reside (DFHCSD) and the group that contains, or will contain, your MANTIS RDO definitions. If you would like the group added to a group list, enter the group list name.
- 2– MANTIS Transactions—In the MANTIS Transaction panel (MVXPPPB), which appears after you select this option, enter the primary transaction ID for MANTIS. Optionally, enter a resume (to be used in a pseudo-conversational environment), a print task, and a background task transaction ID.



If you are using more than one set of paired MANTIS transaction IDs, the panel (MVXPPM7) that appears after you select the MANTIS Customization Macro option (option 7) from the MVXPPMI, MVXPPMC, or MVXPPMU panel will enable you to enter the rest of the pairs.

For more information on initial, resume, and paired transaction IDs, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

- 3– MANTIS DDname—In the MANTIS DDname panel (MVXPPPH), which appears after you select this option, enter the CICS RDO file names for the MANTIS VSAM support files. The file names that appear on the screen depend on the features you specified earlier.

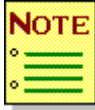
For more information on MANTIS VSAM support files, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

- 4– MANTIS exits—In the MANTIS Exit Names panel (MVXPPPC), which appears when you select this option, enter the names of any custom exits that you have used with MANTIS.

For a new install: You can only select this option if you entered YES next to the “Activate Custom EXITS panel on Install?” option on the MAIW Options panel (MVXPTP0) (which appears after you select the Install Exec Options option (option 0) from the Action Selection Menu (MVXPMNU) panel). Cincom recommends that you do not use the sample MANTIS exits for a new install. Instead, modify and link any necessary exits with MANTIS after you have researched them and customized them for your environment.

For an upgrade: If you used MANTIS exits in a prior release, enter a YES next to the exit name and specify the name of the linklib in which the exit can be found. If you changed an exit name from the default name, overwrite the default name here with the name you used.

To provide information about the DBMS environment (that is, information about the database that you will access from MANTIS), select one of the following options:



Each of the following options is selectable only if you have specified the corresponding feature for it in the Features Used with MANTIS section (see panel MVXPPM2).

- 5– DB2 dataset and DBRM—In the DB2 Dataset and DBRM panel (MVXPPPD), which appears after you select this option, enter the information that enables MANTIS to connect to DB2.
- 6– DB2 Plan/Package and RDO—In the DB2 Plan Package and RDO panel (MVXPPPJ), which appears after you select this option, enter either the name of the DB2 plan or the name of the DB2 package to be used.
- 7– SUPRA Server SQL—In the SUPRA Server SQL panel (MVXPPPE), which appears after you select this option, enter the name of the link library in which the ICICSQBL database interface module can be found.
- 8– SUPRA Server Total/PDM and RDM—In the SUPRA Server Total/PDM and RDM panel (MVXPPPI), which appears after you select this option, enter the names of the link libraries containing the PDM batch interface modules, PDM CICS interface modules, RDM batch interface modules, and RDM CICS interface modules.
- 9– IMS/DB—In the Using IMS/DB panel (MVXPPPG), which appears after you select this option, enter the name of the link library in which ASMTDLI can be found.

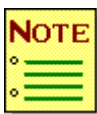
- ◆ **6– Download Remaining Files From Tape.** In the Download Remaining Files From Tape panel (MVXPPP6), enter information about the installation tape/cartridge, enter the high level qualifiers for the PDS and VSAM datasets, and enter the control interval size you would like to use. If you enter 3380 or 3390 as the device, MAIW uses the most efficient blocksize for this device.

After entering the requested information, enter “JCL” or press the assigned JCL PF key. This enables you to edit and submit the JCL, in order to create the necessary datasets and download the rest of the installation tape/cartridge.

- ◆ **7– MANTIS Customization Macro.** In the MANTIS Customization Macro menu panel (MVXPPM7), select various options enabling you to view panels where you can tailor MANTIS.

Each option can have the following indicators:

- (D)efault—Shows that the specified value is the MANTIS default.
- (N)ew—Shows that the specified value is different from the MANTIS default.
- (P)revious—(Will only appear once.) Shows that the specified value comes from the job member that you chose as your current job for creating the CSOPCUST customization module.



You chose this job member in the panel (MVXPPP3) that appeared after you selected option “3 – Current MANTIS Objects.”

To see which options are new or changed in the current release, as well as definitions and valid values for every option name under the Parm column, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

In the Linking CSOPCUST panel (MVXPPPK) (which you display by selecting the C – Customization – Linking option from the MANTIS Customization Menu screen (MVXPPM7)), specify where the assembled and linked customization module should reside. Also, if the desired name for the module is different than the default CSOPCUST, specify the name.

After making any necessary changes, enter “JCL” or press the JCL PF key. This enables you to edit and submit the JCL to assemble C\$COPCUST and link C\$COPCUST as CSOPCUST.

- ◆ **8– Link MANTIS and MANTIS Batch.** In the Link MANTIS and MANTIS Batch menu panel (MVXPPM8), which appears after you select this option, select options enabling you to specify information necessary to link CICS and batch MANTIS.
 - 1– CICS—In the Linking MANTIS panel (MVXPPPM), which appears after you select this option, specify the name of the link library in which you would like the CICS MANTIS load modules to reside. This link library is usually the library into which you downloaded the individual modules from the tape. The modules necessary for the CICS environment are copied from this link library to the DFHRPL library that you specified on the CICS Environment panel (MVXPPA).

Also, if you do not want the MANTIS load module to be named MANTIS, specify the new name.

Cincom strongly recommends that you make MANTIS run above the 16 MB line by retaining the default value of “YES.” This means that MANTIS will also acquire its necessary storage above 16 MB line.

After entering the necessary information, enter “JCL” or press the JCL PF key. This enables you to edit and submit the job that links your CICS MANTIS.

- 2– BATCH—In the Linking MANTIS Batch panel (MVXPPPN), which appears after you select this option, name the link library in which you would like the batch MANTIS load modules to reside. The default link library is LINKLIBB, which was created when the installation tape was downloaded.

It is possible to have two versions of batch MANTIS: one that allows both read and write capability and one that allows read-only capability.

The read-only version of batch MANTIS provides read-only access to the MANTIS (SETPRAY) and transfer (CSOT) clusters. It provides both read and write access to all external files. You should normally use the read-only version when you print MANTIS design objects in batch while the MANTIS VSAM support files are open to the CICS region.

Since MANTIS uses Local Shared Resource (LSR) pools to provide optimum performance in batch, access to the BLDVRP macro is necessary. Normally, the BLDVRP macro resides in SYS1.MACLIB.

After entering the necessary information, enter “JCL” or press the JCL PF key. This enables you to edit and submit the job that links your batch MANTIS.

- ◆ **9– Final Install Setting.** In the Final Install/Upgrade Setting panel (MVXPPP9), which appears after you select this option, specify whether you would like your current transfer (CSOT) file, from a prior release, converted to the new 5501 format. For the implications of using a 5501 transfer file with a prior MANTIS release, see [“Downward compatibility”](#) on page 21.

To edit the job that runs Batch Dialog Facility, enter “JCL” or press the JCL PF key. You can then submit this job. The Batch Dialog Facility sets the features you have selected while using MAIWI and prepares the MANTIS primary cluster (SETPRAY) for use.

- ◆ **10–14.** Skipped to allow additional steps in the future.
- ◆ **15– Job Steps Status Maint.** In the MAIWI Job Steps Status panel (MVXPTJ5), which appears after you select this option, status indicators display for each installation process step. There are three possible values for each step:
 - Blank—The step did not run or is not applicable for the selected action type (new install, upgrade/clone, upgrade/update) .
 - OK—The step was successfully completed.
 - FAIL—The step was not successfully completed.

Once you have successfully installed MANTIS, you can continue to use MAIWI to:

- ◆ Perform maintenance functions.
- ◆ Install copies of MANTIS in other CICS regions.

After installation is complete, only 2 modules, MANTIS and CSOPGLBL, are saved or replaced in your DFHRPL library.

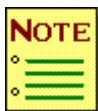
Running MANTIS

Sign on to your CICS system. Cincom recommends that you use the MANTIS Windows Client whenever you run MANTIS. The MANTIS Windows Client enhances the MANTIS Development Environment and increases developer productivity.

Depending on the install type you selected, you must perform one of the following before you can run MANTIS:

- ◆ **For new MANTIS system, or an upgrade of a current MANTIS version that was created by cloning a new copy and updating that copy.** Enter the following to make the MANTIS definitions available to the currently-running CICS:

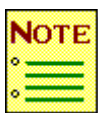
```
CEDA INSTALL GROUP (xxxxxxxxxx)
```



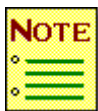
xxxxxxxx is the RDO group name supplied to MAIWI.

- ◆ **For an upgrade that was created by updating the current copy.** Enter the following to make the MANTIS definitions available to the currently-running CICS:

```
CECI RELEASE PROG(CSOPGLBL)
CEMT SET PROG(MANTIS CSOPGLBL) NEW
CEMT SET FILE(MANTIS ddnames) OPEN ENABLE
```



MAIWI may have renamed MANTIS and CSOPGLBL modules.



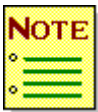
Depending on your security package, you may need to define authorization for the MANTIS entities.

If you are using CICS 4.1 with DB2, you must perform the following:

1. Define any MANTIS transactions that will access DB2 in the DFHRCT.
2. Perform one of the following:
 - ◆ Shut CICS down, then restart it.
 - ◆ Disconnect from DB2, then reconnect to it.
3. Enter the MANTIS transaction ID (usually, MANT).

Supplied system administration user

The supplied system administrator user is named MASTER. Its initial password is HALOGEN. You may change the password for MASTER in the User Profile Design Facility.



The HALOGEN password is documented only in this guide.

For information on how to perform various functions available to the MASTER user, refer to *MANTIS Administration Tutorial, OS/390, VSE/ESA*, P39-5027. For information on all the features and functions available to the MASTER user, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005. Several additional guides, which can be accessed on the documentation CD, provide information for the MANTIS system administrator.

Supplied development user

The supplied development user is named EXAMPLES. Its initial password is CASINO. This user contains some simple programming examples. For information on getting started with MANTIS development, refer to *MANTIS Application Development Tutorial, OS/390, VSE/ESA*, P39-5026. Several additional guides, which can be accessed on the documentation CD, provide information for the MANTIS development user.

MANTIS Windows Client, powered by gOOi

The documentation CD contains a run-only version of gOOi that provides a GUI for the MANTIS development environment. This GUI is called the MANTIS Windows Client.

Installing the MANTIS Windows Client

To install the MANTIS Windows Client on a PC running Windows 95, 98, NT, or 2000, run the SETUP program located in the MANTISWindowsClient directory.

Viewing a description of gOOi

During installation, the Host Monitor window appears. In this window, open the Help menu and select Content. An overview of gOOi appears.

Uninstalling MANTIS

To remove MANTIS from your OS/390 system:

1. Close any VSAM files that are open to CICS.
2. Execute MAIWI.
3. On the Action Selection Menu, select the Uninstall MANTIS option (option 5).

MAIWI creates the uninstall JCL.

4. Submit the UNINSTALL JCL job.

The UNINSTALL JCL job deletes all:

- ◆ MANTIS libraries
- ◆ CICS definitions (if applicable)
- ◆ DB2 definitions (if applicable)
- ◆ MANTIS load modules that were created by the install process

5. Enter the following to delete the installation library:

```
TSO DELETE 'your.MANTIS.install.lib'
```


4

Batch Dialog Facility

Adding additional Authorization records with the Batch Dialog Facility

The Batch Dialog Facility (BDF) is a command-driven interface that enables you to:

- ◆ Run several of the Program Design Facility (PDF) functions in batch.
- ◆ Upgrade your cluster in a batch environment.

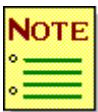
MAIWI automatically runs the BDF install process to:

- ◆ Modify MANTIS support file external names.
- ◆ Modify the default user log.
- ◆ Modify CEF options.
- ◆ Insert or update MANTIS's Authorization record.
- ◆ Create program information records on the EEPR file.

If you would like to add additional CPU-ID Authorization records to your MANTIS cluster, you can use the BDF Install function to perform this task as a separate batch job. If you need to repeat this task for multiple MANTIS clusters, this will save time (compared to online entry).

To add additional CPU-ID Authorization records to your MANTIS cluster using BDF, define an input stream to initiate BDF. This input stream should specify the following:

- ◆ Execution JCL
- ◆ Environment specifications for the batch job
- ◆ On the MANTIS Facility Selection Menu, the Run a Program by Name option (option 1)
- ◆ The BDF start-up program, CONTROL:BATCH_DIALOG
- ◆ FUNCTION=INSTALL and its options



You can obtain CPU-ID Authorization record information only from Cincom.

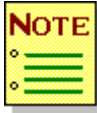
The batch input stream statements are similar to the MANTIS Print Facility because they specify actual function and option statements, rather than simulating an online session by mimicking cursor movement. BDF reads the batch stream and executes the options you specify.

BDF syntax checks your statements and then executes the options you entered in the input stream. When BDF encounters an error in the input stream, it generates an error report but does not execute any functions.

Creating the batch input stream

Perform the following:

1. Use the following statements to create the batch input stream. Each statement in the stream can be up to 72 characters. Verify that you do not have sequence numbers in columns 73 to 80.



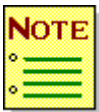
See “[Sample batch input stream](#)” on page 64.

2. Tailor the JCL and batch input stream for your authorization additions.
3. Submit the job for execution.

FUNCTION statement

FUNCTION=INSTALL

The FUNCTION statement specifies which function you would like to perform. The FUNCTION statement is required; if no function is specified, the batch job terminates with an error. There is no default. The only valid function for adding additional Authorization Records is INSTALL. Specify the FUNCTION statement as the first statement after the CONTROL: BATCH_DIALOG program specification.



When specifying the function as INSTALL, no other functions for this job are allowed. For Batch Dialog functions, refer to [MANTIS Facilities, OS/390, VSE/ESA](#), P39-5001, and [MANTIS Administration, OS/390, VSE/ESA](#), P39-5005.

OPTIONS statement

The OPTIONS statement specifies the facilities service level you are upgrading from, or specifies whether this is a new installation. It also specifies other options used to update your cluster.

OPTIONS=AUTHORIZE

Description *Required.* Specifies that you are adding additional Authorization Records to your MANTIS cluster.

Considerations

- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.
- ◆ Specifies that a “full installation” is not being performed—only a MANTIS Authorization Record is to be inserted or updated.
- ◆ If the Authorization record already exists on the MANTIS cluster, it will be updated. Otherwise, it will be inserted.

OPTIONS=CPUID=xxxxxxxxxxxxxxxxxx

Description *Required.* Specifies the CPU ID to be authorized.

Considerations

- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to insert/update a MANTIS Authorization Record.
- ◆ If the CPU ID record already exists on the MANTIS cluster, it will be updated. Otherwise, it will be inserted.
- ◆ If this parameter is not supplied, BDF Install ends with an error.
- ◆ Any CPU ID may be authorized.

OPTIONS=ENDMANTIS=yyyy/mm/dd

Description *Required.* Specifies the expiration date for the MANTIS base product.

Considerations

- ◆ Specify date format as YYYY/MM/DD.
- ◆ The ENDMANTIS parameter is required, and if it is not supplied, BDF Install ends with an error.
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPADA=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for AD/Advantage II.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPADARDM=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for RDM generation in AD/Advantage II.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPCE=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for Component Engineering (CE).

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPDB2=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for MVS/ESA or OS390 DB2 access.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPDBCS=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for Double Byte Character Support (DBCS) in MANTIS.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPDLI=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for data access to DL/I.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPET=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for Entity Transformers (ET).

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPHPO=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for the High-Performance Option (HPO).

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPMQS=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for WebSphere MQ Interface access.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPMSF=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for the MANTIS Search Facility (MSF).

Consideration

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPQRW=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for Query Report Writer (QRW).

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPRUNONLY=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for Run-Only MANTIS.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPSQLDS=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for VSE/ESA SQL/DS or DB2 access.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPSUPRA=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for SUPRA SQL Server access.

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=EXPXREF=yyyy/mm/dd

Description *Optional.* Specifies the expiration date for XREF (cross reference facility).

Considerations

- ◆ Specify date format as YYYY/MM/DD. If you do not supply a date, this feature is not authorized for your use.
- ◆ If this expiration date is the same as the MANTIS base expiration date, you may enter one of the following:
 - Full date
 - Equal sign (=)
 - Double quote ("), as in a ditto mark
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=LEADDAYS=xxx

Description *Optional.* Specifies the expiration warning lead days. MANTIS uses this number to determine how far in advance of MANTIS or feature expiration it should send the expiration message to the terminal.

Default 60

Considerations

- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=PASSWORD=xxxxxxx

Description *Required.* Specifies the authorization password.

Considerations

- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.
- ◆ If the password does not validate for the provided CPU ID, the terminal limit, and all of the supplied dates, MANTIS ends with an error. For details, refer to the information on the Authorize MANTIS/Options Utility in *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

OPTIONS=STARTMANTIS=yyyy/mm/dd

Description *Required.* Specifies the earliest date that MANTIS can be used.

Considerations

- ◆ Specify date format as YYYY/MM/DD.
- ◆ The STARTMANTIS parameter is required, and if it is not supplied, BDF Install ends with an error.
- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

OPTIONS=TERMINALS=xxxxx

Description *May be Required.* Specifies the number of licensed concurrent terminals allowed on MANTIS.

Default Zero

Considerations

- ◆ Applies to FUNCTION=INSTALL only.
- ◆ May only be used by the MASTER User to create a MANTIS Authorization Record.

Sample batch input stream

The following is a sample batch input stream for installation functions to insert or update a MANTIS Authorization Record. In your input file, do not include the comments listed in the right-hand (Comments) column.

New install input stream (MNIBDFNW)	Comments
MASTER;password;	Specifies the environment for the batch job.
1	Selects the Run a Program By Name option (option 1).
CONTROL:BATCH_DIALOG	Runs the CONTROL:BATCH_DIALOG program.
FUNCTION=INSTALL	Selects the INSTALL function.
OPTIONS=AUTHORIZE	Adds an Authorization Record.
OPTIONS=CPUID=1234567890000000	Specifies the CPU ID to be authorized.
OPTIONS=PASSWORD=12345678	Specifies the PASSWORD for authorization.
OPTIONS=TERMINALS=25	Specifies the number of licensed terminals. (For unlimited terminals, enter OPTIONS=TERMINALS=0.)
OPTIONS=LEADDAYS=60	Specifies the number of warning lead days.
OPTIONS=ENDMANTIS=2001/12/31	Specifies MANTIS base expiration.
OPTIONS=STARTMANTIS=2000/12/01	Specifies MANTIS starting date.
equal sign (=) is allowed	(The equal sign copies the MANTIS base expiration date.)
OPTIONS=EXPHPO==	Specifies High Performance Option.
double quote (") is allowed	(The double quote copies the MANTIS base expiration date.)
OPTIONS=EXPMSEF="	Specifies MANTIS Search Facility.
END	ENDs the job stream.
<PA2>	Issues Cancel to end the program.
<PA2>	Issues Cancel to exit the Facility program.
<PA2>	Issues Cancel to logoff MANTIS.

Batch Dialog Facility return codes for MVS

In the MVS environment, the Batch Dialog Facility provides a return code that indicates a run status. The following table lists the return codes:

Return code	Description
0	Successful run.
4	Warning indicator that one of the following occurred: <ul style="list-style-type: none"> ◆ Specified entity or entities were not found ◆ Inconsistent (HPO)CHECK, CEFCHECK or SQLCHECK Process continues. You should examine the output.
8	Caution indicator that one of the following occurred: <ul style="list-style-type: none"> ◆ Failure to create one or more trigger records ◆ Failure while executing a trigger record or executing an SQLBIND function ◆ Failure in executing one or more functions Process continues. You should examine the output.
12	Error indicator that one of the following occurred: <ul style="list-style-type: none"> ◆ Error raised on Syntax/Input Stream ◆ Necessary files unavailable for update MANTIS terminated the job and printed an Input Validation Report. You should examine the output.
16	Fatal error indicator that a system error occurred. The program produced no output. You should check for errors.
20	Out of input job stream data. (This usually occurs when you place only one <PA2> or no <PA2>s at the end of the batch input stream to end the program.) You should verify that all functions were executed.

5

Customizing MANTIS after the install

Customizing the start up, menu, and termination programs

To customize MANTIS for your installation, Cincom recommends that you change the following entities:

- ◆ **MASTER:SIGN_ON.** Program entity and screen entity.
- ◆ **MASTER:TERMINATE.** Program entity.
- ◆ **MASTER:FACILITY.** Program entity and screen entity.
- ◆ **MASTER:START_FACILITY.** Program entity and screen entity.
- ◆ **MASTER:UTILITY_SELECTION.** Program entity and screen entity.

You can customize these entities now or later. For information on customizing these entities, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

If you are reinstalling MANTIS, you may have already modified the entities listed above. A reinstall cluster does not contain replacements for these entities, but contains another copy of any entity that has changed. The entity copies in the reinstall are named as above, but suffixed with _55 (for example, the MASTER:FACILITY_55 program and screen).

You can use the _55 entity versions in one of two ways:

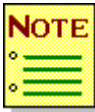
- ◆ **As models on which to base changes to your existing programs and screens.**
- ◆ **As replacements for your current programs and screens.** To replace your current programs and screens with the _55 versions, perform the following:



For the steps required to rename entities, see “[Renaming program entities](#)” on page 69 and “[Renaming screen entities](#)” on page 71. Perform the steps in “[Renaming program entities](#)” before performing the steps in “[Renaming screen entities](#).”

1. Rename each of your existing entities with an _OLD extension.
2. Rename each of the new entities without its _55 extension.

Renaming program entities



MASTER:SIGN_ON or MASTER:FACILITY program errors can prevent you from signing on to MANTIS. Avoid this problem by performing the following when you update or rename either of these two programs:

1. Sign on as the MASTER User.
 2. Load the program you intend to change into the Full-Screen Editor.
 3. Change the loaded program as desired.
 4. On another terminal, try to sign on as the MASTER User or as another user. If you cannot, use the first terminal to restore the original, functioning version of your program, or to correct and replace the program.
-

To rename each old program entity with an _OLD extension and rename each MANTIS 5.5.01 program entity without its _55 extension, perform the following:

1. Sign on as the MASTER User.
2. Rename MASTER:SIGN_ON as MASTER:SIGN_ON_OLD.

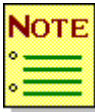


For detailed instructions on renaming a program entity, see [“Renaming a program entity”](#) on page 101.

3. Rename MASTER:TERMINATE as MASTER:TERMINATE_OLD.
4. Rename MASTER:FACILITY as MASTER:FACILITY_OLD.

5. Rename MASTER:START_FACILITY as MASTER:START_FACILITY_OLD.
6. Rename MASTER:UTILITY_SELECTION as MASTER:UTILITY_SELECTION_OLD.
7. Rename MASTER:SIGN_ON_55 as MASTER:SIGN_ON
8. Rename MASTER:TERMINATE_55 as MASTER:TERMINATE.
9. Rename MASTER:FACILITY_55 as MASTER:FACILITY.
10. Rename MASTER:START:FACILITY_55 as MASTER:START_FACILITY.
11. Rename MASTER:UTILITY_SELECTION_55 as MASTER:UTILITY_SELECTION.

Renaming screen entities

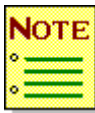


MASTER:SIGN_ON or MASTER:FACILITY screen errors can prevent you from signing on to MANTIS. Avoid this problem by performing the following when you update or rename either of these two screen:

1. Sign on as the MASTER User.
 2. Load the screen you intend to change into the Screen Design Facility.
 3. Change the loaded screen as desired.
 4. On another terminal, try to sign on as the MASTER User or as another user. If you cannot, use the first terminal to restore the original, functioning version of your screen, or to correct and replace the screen.
-

To rename each old screen entity with an _OLD extension and rename each MANTIS 5.5.01 screen entity without its _55 extension, perform the following:

1. Sign on as the MASTER User.
2. Rename MASTER:SIGN_ON as MASTER:SIGN_ON_OLD.



For detailed instructions on renaming a screen entity, see “[Renaming a screen entity](#)” on page 103. Be aware that the procedure for renaming a screen entity is different from the procedure for renaming a program entity.

3. Rename MASTER:FACILITY as MASTER:FACILITY_OLD.
4. Rename MASTER:START_FACILITY as MASTER:START_FACILITY_OLD.
5. Rename MASTER:UTILITY_SELECTION as MASTER:UTILITY_SELECTION_OLD.
6. Rename MASTER:SIGN_ON_55 as MASTER:SIGN_ON.
7. Rename MASTER:FACILITY_55 as MASTER:FACILITY.
8. Rename MASTER:START_FACILITY_55 as MASTER:START_FACILITY.
9. Rename MASTER:UTILITY_SELECTION_55 as MASTER:UTILITY_SELECTION.

Considerations for MASTER:SIGN_ON and MASTER:TERMINATE

If you are an HPO user, you will be using a MANTIS background task to load the Shared Pool. When using MANTIS background tasks, be aware of the following considerations for MASTER:SIGN_ON and MASTER:TERMINATE:

- ◆ MASTER:SIGN_ON is passed arguments that are specified when the background task is started. To accept this data, the first line of the MASTER:SIGN_ON program must read:

```
ENTRY SIGN_ON( NAME , CLEARANCE , PARAMETER )
```

MASTER:SIGN_ON should then pass this data to the CONTROL:SIGN_ON program to complete the sign-on for the background task.

- ◆ If you are using an alternate sign-on or a customized termination program, you can test to see if TERMINAL="BACK\$MAN" is true (if it is true, MANTIS is running in the background). If it is true, you may wish to bypass any custom code that you have introduced. This is especially important if your background task does not have access authorization to resources used in an alternate sign-on (VSAM files, for example).
- ◆ Background tasks cannot perform any terminal I/O, and should terminate by CHAINing to MASTER:TERMINATE. Alternatively, you can modify the facility program to terminate when a background task is completed, instead of redisplaying the MANTIS Facility Selection Menu.

The CSOL file logs the start and stop of each background task. This information accumulates until the CSOL file is deleted and redefined.

Creating program profiles for protected libraries (HPO users only)

If you are using HPO and you wish to add Cincom-protected library programs to the Shared Program Pool, perform the following:

1. Sign on as the MASTER user.
2. On the MASTER facility menu, select the Design a User Profile option (option 7).
3. Select the Directory of Users option (option 4).

A list of the Cincom-protected users that are currently installed on your system appears.

4. Press the CANCEL key to return to the User Profile Design Facility menu.
5. Enter the user name for which you wish to generate EEPRs. For example, enter CONTROL or VPF.
6. Select the Create Extended Program Profiles option (option 8).
7. Confirm your request to create extended program profiles.

MANTIS generates EEPRs for the user you specified.

8. The generated EEPRs provide the program list that appears on the Shared Pool Nominate List. From this program list, nominate the programs that you would like loaded into the Shared Pool.

Nominating the Shared Pool list (HPO users only)

CSIADB file and the Shared Pool Facility

The CSIADB file is required for the operation of the Shared Pool Facility and must be defined to CICS. MAIWI created the CSIADB file as part of the install process.

Statistics Facility

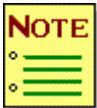
MANTIS provides a Statistics Facility to assist the MASTER user in deciding which programs should be nominated to the Shared Pool. This facility also verifies that the Shared Pool is working as expected. The Statistics Facility is available from the MASTER user's MANTIS Utilities menu.

Shared Pool and memory location

For XA MANTIS, the Shared Pool resides in XA memory. For non-XA MANTIS, the Shared Pool can reside in either GETMAINED non-XA storage or in loaded copies of the CSOPSHRP module, below the 16 MB line.

For C\$OPCUST customization options, SHRPMOD and SPSIZE operands, and more information on the C\$OPSHRP macro, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

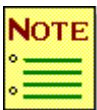
Running the split SETPRAY utility (optional)



If you recombined your split SETPRAY before reinstall, you can now split your SETPRAY again.

To reduce SETPRAY I/O and access contention, and to ease maintenance when multiple copies of MANTIS are in use, you can split the SETPRAY cluster into multiple physical data sets that will be accessed as one logical SETPRAY cluster.

To split your current SETPRAY cluster, perform the following:



For details on performing these steps, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

1. Create a SETPRAY user exit (CSOXSETP).
2. Execute the Split SETPRAY Utility (CSOPSPLT).

The linkdeck for the Split SETPRAY Utility is the member MVLSPLIT found in the installation MACLIB. The JCL to execute the utility is member MVJSPLIT, which can be found in the installation JCLLIB. Sample input statements are provided in the installation MACLIB member MNISPLIT.

6

Installing AD/Advantage

Preliminary considerations

Before installing AD/Advantage, consider the following:

- ◆ You must complete the MANTIS installation (from tape or cartridge) before installing AD/Advantage
- ◆ You must have the EXAMPLES user in order to install AD/Advantage. If you are reinstalling MANTIS, confirm that the EXAMPLES user exists. If you need to create the EXAMPLES user, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.
- ◆ In order to complete the installation procedure, you must understand how to do the following:
 - Run programs—Use the Run a Program by Name option (option 1). For details, refer to *MANTIS Facilities, OS/390, VSE/ESA*, P39-5001.
 - Save programs—Use the Program Design Facility. For details, refer to *MANTIS Program Design and Editing, OS/390, VSE/ESA*, P39-5013.
 - Replace programs—Use the Program Design Facility. For details, refer to *MANTIS Program Design and Editing, OS/390, VSE/ESA*, P39-5013.

AD/Advantage installation procedure

To install AD/Advantage, perform the following:

- 1. Run MANTIS.

The sign-on screen displays.

- 2. Sign on as the MASTER user.

The MANTIS Facility Selection Menu displays. Your MANTIS Facility Selection Menu may look similar, but not identical, to the following screen:

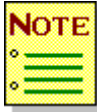
```
FACILMENU01          MANTIS Facility Selection Menu (MASTER)          YYYY:MM:DD
                                                                HH:MM:SS

Please select one of the menu options below.

____ Run a Program by Name ..... 1 Sign On as Another User .... 13
      Display a Prompter ..... 2 Set Preferred Terminals .... 14
      Design a Program ..... 3 Directory Facility ..... 15
      Design a Screen ..... 4 DL/I Access View ..... 16
      Design a MANTIS File View .. 5 Shared Pool Facility ..... 17
      Design a Prompter ..... 6 Query Report Writer ..... 18
      Design a User Profile ..... 7 Print Facility ..... 19
      Design an Interface ..... 8 Cross Reference Facility ... 20
      Design a TOTAL File View ... 9 Entity Transformers ..... 21
      Design an External File View 10 Universal Export Facility .. 22
      Transfer Facility ..... 11 Search Facility ..... 23
      MANTIS Utilities ..... 12

F1=HELP  F3=EXIT  F12=CANCEL
```

3. In the MASTER User Profile, increase your SLICE/SLOT parameters to at least the values shown below:



To access the MASTER User Profile, perform the following:

- A. On the MANTIS Facility Selection Menu, select the Design a User Profile option (option 7).
 - B. In the field provided for the user name, enter MASTER.
 - C. Press PF3 to “Alter an existing profile”.
-

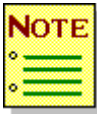
- ◆ STATEMENTS PER SLOT: 3000
- ◆ SLOTS BEFORE INTERRUPT: 200



For more information on SLICE/SLOT parameters, refer to *MANTIS Administration, OS/390, VSE/ESA*, P39-5005.

4. Press ENTER to save changes to the MASTER User Profile.
5. Press the CANCEL key to terminate the User Profile Design Facility.
6. On the MANTIS Facility Selection Menu, select the Sign On as Another User option (option 13).

7. Sign on as the MASTER user.



Performing steps 6 and 7 causes the changes applied in step 3 to take effect.

8. On the MANTIS Facility Selection Menu, select the Run a Program by Name option (option 1) to run the AD/Advantage installation program:

◆ **English users.** Run VPF:ADV_INSTALL_ENU.

◆ **German users.** Run VPF:ADV_INSTALL_DEU.

The AD/Advantage Installation screen displays, as shown below:

```

AD/Advantage Installation
                                YYYY/MM/DD   HH:MM
-----
Before Installation, AD/Advantage needs more Information about your System

AD/Advantage uses Special Characters for System Entities
by Default this character is the # sign.
New Special Character....  #

AD/Advantage supports Multiple languages.
In this Release the only supported Language is US English

Reinstallation-Options
Specify Y to delete only System Entities from the Dictionary
with Subsystem-ID:  ADV.....

-----
ENTER to start Installation / CANCEL to stop

```


9. In the New Special Character field, enter appropriate information. See the following definition:

New Special Character

Description *Required.* Specifies the special character that begins all AD/Advantage system transactions.

Default Hash character (#)

Consideration After installation, you can change the system special character by using the #UPDCHAR transaction.

10. In the Reinstallation-Options field, enter appropriate information. See the following definition:

Reinstallation-Options

Description *Optional.* Specifies which entities are deleted and replaced when you reinstall AD/Advantage.

Default (blank)

Options (blank) Deletes the entire AD/Advantage dictionary and replaces it with a new dictionary.

Y Deletes and replaces only the AD/Advantage system entities (the ADV subsystem) stored in the AD/Advantage dictionary.

11. Perform one of the following:

- ◆ Stop the installation by pressing the CANCEL key.
- ◆ Continue the installation process by pressing ENTER.

Phase 1 of the installation executes, deleting any files currently stored in the AD/Advantage dictionary. The system prompts you to press ENTER to continue with Phase 2.

12. If you would like to continue with Phase 2, press ENTER.

Phase 2 of the installation executes.

13. Press ENTER.

The MANTIS Facility Selection Menu appears.

14. On the MANTIS Facility Selection Menu, select the Design a User Profile option (option 7).

15. Select the Create Extended Program Profiles option (option 8). MANTIS creates EEPR records for the MASTER user's newly loaded programs.

16. Repeat steps 14 and 15, but for the EXAMPLES user rather than the MASTER user.

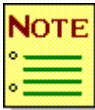
17. If you have HPO installed and you wish to nominate any AD/Advantage programs to the Shared Pool, repeat steps 14 and 15, but for the VPF user rather than the MASTER user.
18. To activate AD/Advantage, perform the following:

- A. Rename MASTER:SIGN_ON as MASTER:SIGN_ON_OLD.

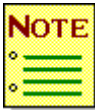


For detailed instructions on renaming a program entity, see “Renaming a program entity” on page 101.

- B. Rename MASTER:ADV_SIGN_ON as MASTER:SIGN_ON.



Before signing off this terminal, test your changes by attempting to sign on to another terminal.



If you are reinstalling MANTIS, your old MASTER:SIGN_ON program might be customized. If so, merge the changes made to your old MASTER:SIGN_ON program with the new MASTER:SIGN_ON.

19. If you have installed or will install ACCESS and will use the Software Selection Facility. Perform the following:

- A. In the MASTER:FACILITY program, replace the CHAIN“CONTROL:SIGN_ON” statement with a CHAIN“MASTER:ADV_SIGN_ON” statement.
- B. In the MASTER:START_FACILITY program, replace the CHAIN“CONTROL:SIGN_ON” statement with a CHAIN“MASTER:ADV_SIGN_ON” statement.

If you have not installed and will not install ACCESS, or will not use the Software Selection Facility. Perform the following:

- A. In the MASTER:FACILITY program, replace the CHAIN“CONTROL:SIGN_ON” statement with a CHAIN“MASTER:SIGN_ON” statement.
- B. In the MASTER:START_FACILITY program, replace the CHAIN“CONTROL:SIGN_ON” statement with a CHAIN“MASTER:SIGN_ON” statement.



If any of the programs that you have modified and replaced, or renamed, are located in the Shared Program Pool, you must reload them into the Shared Program Pool in order for your changes to take effect.

7

Verifying MANTIS SQL Support installation for DB2

Knowing when MANTIS SQL Support installation is complete

MANTIS SQL Support installation is complete after the following occur:

- ◆ CSOPSQL2 has been successfully:
 - Precompiled
 - Assembled
 - Link-edited
- ◆ DB2 Application Plan has been created.
- ◆ Execution authority has been granted.

Verifying that MANTIS SQL Support is available for use

When the composite link-edit for MANTIS is finished, MANTIS SQL Support should be available for use. To verify that MANTIS SQL Support is available for use, perform the following:

1. Sign on as MASTER.
2. Execute the following program:

```
MASTER:SQL_INSTALL_CHECK_DB2
```

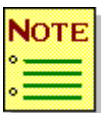
This program lists the DB2 databases that are defined on your system, verifying that MANTIS SQL Support can successfully communicate with DB2.



DB2 must be active before you execute MASTER:SQL_INSTALL_CHECK_DB2. Receiving an AEY9 abend when running MASTER:SQL_INSTALL_CHECK_DB2 under CICS may indicate that DB2 is not yet active. Use the DSNB STRT CICS command to activate DB2, then rerun MASTER:SQL_INSTALL_CHECK_DB2. For more information on the DSNB STRT command, refer to the appropriate DB2 manual.

8

Performing XREF batch maintenance



For details concerning XREF batch index creation and maintenance, refer to *MANTIS XREF Administration, OS/390, VSE/ESA*, P39-0012.

Sample input statements in your XREF MACLIB

The following sample input statements are in your XREF MACLIB:

- ◆ **XRNONE.** Input for step PRINT within XREFJOB.
- ◆ **XREFMOD.** Input for step XREF within XREFJOB.
- ◆ **XREFMODI.** Input for step XREF within XREFJOB.
- ◆ **XRALLDLI.** Input for step XREF within XREFJOB (DL/I only).
- ◆ **XRALLDLM.** Input for step XREF within XREFJOB (DL/I only).
- ◆ **XRSELDLI.** Input for step XREF within XREFJOB (DL/I only).
- ◆ **XRSELDLM.** Input for step XREF within XREFJOB (DL/I only).

Sample JCL for XREFJOB

Sample JCL for XREFJOB is in your XREF JCLLIB.

Task to perform before running XREFJOB

Perform one of the following tasks before you run XREFJOB:

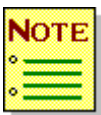
- ◆ Make sure that MANTIS is not running in CICS.
- ◆ Before you submit XREFJOB, close the XREFIND file to CICS.

9

Installing SSF SL2033

There are several kinds of SSF SL2033 installation:

- ◆ After a new MANTIS installation:
 - Without AD/Advantage—See “Installing SSF SL2033 without AD/Advantage” on page 90.
 - With AD/Advantage—See “Installing SSF SL2033 with AD/Advantage” on page 92.
- ◆ After a MANTIS reinstallation:
 - Without AD/Advantage—See “Installing SSF SL2033 without AD/Advantage” on page 94.
 - With AD/Advantage—See “Installing SSF SL2033 with AD/Advantage” on page 96.



If you are upgrading, or if you are creating a clone of a current MANTIS, and you already have SSF SL2033 installed, you need not reinstall SSF SL2033.

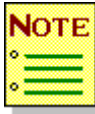
Installing SSF SL2033 after a new MANTIS installation

Installing SSF SL2033 without AD/Advantage

To install SSF SL2033 after a new installation of MANTIS without AD/Advantage, perform the following:

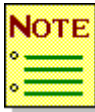
1. Back up your MANTIS cluster.
2. REPRO the SSF cluster on the MANTIS installation tape onto your MANTIS cluster. For the file number and name on the installation tape, refer to *Installing MANTIS 5.5.01 and AD/Advantage for OS/390 and z/OS*, M39-1040.
3. Sign on to MANTIS.
4. From the MANTIS Facility Selection Menu, select the Design a User Profile option (option 7).
5. Select the Create Extended Program Profiles (option 8) to create EEPR for the MASTER user's newly loaded programs.
6. If you have HPO installed and want to nominate any SSF programs to the Shared Pool, repeat steps 4 and 5 for the CSI-DBA user.

7. Rename MASTER:SIGN_ON as MASTER:SIGN_ON_OLD2.



For detailed instructions on renaming a program entity, see [“Renaming a program entity”](#) on page 101.

8. Rename MASTER:FACILITY as MASTER:FACILITY_OLD2.
9. Rename MASTER:TERMINATE as MASTER:TERMINATE_OLD2.
10. Rename MASTER:SIGN_ON_ACCESS2033 as MASTER:SIGN_ON.
11. Rename MASTER:FACILITY_ACCESS2033 as MASTER:FACILITY.
12. Rename MASTER:TERMINATE_ACCESS2033 as MASTER:TERMINATE.



Before signing off this terminal, test your changes by attempting to sign on to another terminal.

Installing SSF SL2033 with AD/Advantage

To install SSF SL2033 after a new installation of MANTIS with AD/Advantage, perform the following:

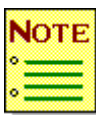
1. Back up your MANTIS cluster.
2. REPRO the SSF cluster on the MANTIS installation tape onto your MANTIS cluster. For the number and name of the file on the installation tape, refer to *Installing MANTIS 5.5.01 and AD/Advantage for OS/390 and z/OS*, M39-1040.
3. Sign on to MANTIS.
4. From the MANTIS Facility Selection Menu, select the Design a User Profile option (option 7).
5. Select the Create Extended Program Profiles option (option 8) to create EEPR for the MASTER user's newly loaded programs.
6. If you have HPO installed and want to nominate any SSF programs to the Shared Pool, repeat steps 4 and 5 for the CSI-DBA user.
7. Rename MASTER:SIGN_ON as MASTER:SIGN_ON_OLD2.



For detailed instructions on renaming a program entity, see [“Renaming a program entity”](#) on page 101.

8. Rename MASTER:FACILITY as MASTER:FACILITY_OLD2.
9. Rename MASTER:TERMINATE as MASTER:TERMINATE_OLD2.

10. Rename MASTER:SIGN_ON_ACCESS2033 as MASTER:SIGN_ON.
11. Rename MASTER:FACILITY_ACCESS2033 as MASTER:FACILITY.
12. Rename MASTER:TERMINATE_ACCESS2033 as MASTER:TERMINATE.
13. In the MASTER:FACILITY and MASTER:START_FACILITY programs, change the statement in each program that reads CHAIN "CONTROL:SIGN_ON" to read CHAIN "MASTER:ADV_SIGN_ON".
14. Apply the MANTIS code patch with fix ID 960529 to enable access to AD/Advantage.



Before signing off, test your changes by attempting to sign on to another terminal.

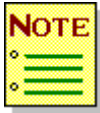
Installing SSF SL2033 after a MANTIS reinstallation

Installing SSF SL2033 without AD/Advantage

To install SSF SL2033 after reinstalling MANTIS without AD/Advantage, perform the following:

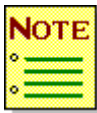
1. Back up your MANTIS cluster.
2. REPRO the SSF cluster on the MANTIS installation tape onto your MANTIS cluster. For the file number and name on the installation tape, refer to *Installing MANTIS 5.5.01 and AD/Advantage for OS/390 and z/OS*, M39-1040.
3. Sign on to MANTIS.
4. From the MANTIS Facility Selection Menu, select the Design a User Profile option (option 7).
5. Select the Create Extended Program Profiles option (option 8) to create EEPR for the MASTER user's newly loaded programs.
6. If you have HPO installed and want to nominate any SSF programs to the Shared Pool, repeat steps 4 and 5 for the CSI-DBA user.
7. If you will not be using the SSF Software Selection Facility menu, you may continue to use your MASTER:SIGN_ON program.

8. If you will be using the SSF Software Selection Facility menu, perform the following:
 - A. Rename MASTER:SIGN_ON as MASTER:SIGN_ON_OLD2.



For detailed instructions on renaming a program entity, see [“Renaming a program entity”](#) on page 101.

- B. Rename MASTER:FACILITY as MASTER:FACILITY_OLD2.
 - C. Rename MASTER:TERMINATE as MASTER:TERMINATE_OLD2.
 - D. Rename MASTER:SIGN_ON_ACCESS2033 as MASTER:SIGN_ON.
 - E. Rename MASTER:FACILITY_ACCESS2033 as MASTER:FACILITY.
 - F. Rename MASTER:TERMINATE_ACCESS2033 as MASTER:TERMINATE.
 - G. If your original MASTER:SIGN_ON program was customized, merge your changes with the MASTER:SIGN_ON program installed by SSF.



Before signing off, test your changes by attempting to sign on to another terminal.

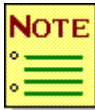
Installing SSF SL2033 with AD/Advantage

If you are reinstalling MANTIS with AD/Advantage, it is assumed that you have already installed AD/Advantage, as documented in “[Installing AD/Advantage](#)” on page 77.

To install SSF SL2033 after reinstalling MANTIS with AD/Advantage, perform the following:

1. Back up your MANTIS cluster.
2. REPRO the SSF cluster on the MANTIS installation tape onto your MANTIS cluster. For appropriate JCL, refer to *Installing MANTIS 5.5.01 and AD/Advantage for OS/390 and z/OS*, M39-1040.
3. Sign on to MANTIS.
4. From the MANTIS Facility Selection Menu, select the Design a User Profile option (option 7).
5. Select the Create Extended Program Profiles option (option 8) to create EEPR for the MASTER user's newly loaded programs.
6. If you have HPO installed and want to nominate any SSF programs to the Shared Pool, repeat step 4 and 5 for the CSI-DBA user.

7. If you will be using the SSF Software Selection Facility menu, perform the following:
 - A. Rename MASTER:SIGN_ON as MASTER:SIGN_ON_OLD2.



For detailed instructions on renaming a program entity, see [“Renaming a program entity”](#) on page 101.

- B. Rename MASTER:FACILITY as MASTER:FACILITY_OLD2.
 - C. Rename MASTER:TERMINATE as MASTER:TERMINATE_OLD2.
 - D. Rename MASTER:SIGN_ON_ACCESS2033 as MASTER:SIGN_ON.
 - E. Rename MASTER:FACILITY_ACCESS2033 as MASTER:FACILITY.
 - F. Rename MASTER:TERMINATE_ACCESS2033 as MASTER:TERMINATE.
 - G. If your original MASTER:SIGN_ON program was customized, merge your changes with the MASTER:SIGN_ON program installed by SSF.
8. If you will not be using the SSF Software Selection Facility menu, you may continue to use your original MASTER:SIGN_ON program.
9. In the MASTER:FACILITY and MASTER:START_FACILITY programs, change the statement that reads CHAIN “CONTROL:SIGN_ON” to read CHAIN “MASTER:ADV_SIGN_ON”.
10. Apply the MANTIS code patch with fix ID 960529 to enable access to AD/Advantage.



New MANTIS 5.5.01 messages

The following messages are new in Release 5.5.01:

- ◆ ENUBDFAAII
- ◆ ENUBDFAAUI
- ◆ ENUBDFABIF (Fatal)
- ◆ ENUBDFACII
- ◆ ENUBDFACNF (Fatal)
- ◆ ENUBDFAFEE
- ◆ ENUBDFANCF (Fatal)
- ◆ ENUBDFANMF
- ◆ ENUBDFANPF (Fatal)

- ◆ ENUBDFANRI
- ◆ ENUBDFAPSF (Fatal)
- ◆ ENUBDFARCF (Fatal)
- ◆ ENUBDFARNW
- ◆ ENUBDFASIE
- ◆ ENUBDFASNI
- ◆ ENUBDFASUE
- ◆ ENUBDFCCDF
- ◆ ENUBDFRECI
- ◆ ENUBDFUFPE (Deleted)
- ◆ ENUBDFUFTE

B

Renaming a program entity

This appendix provides detailed instructions for renaming a program entity. To rename a program entity, perform the following:

1. Sign on as the MASTER User.
2. On the MANTIS Facility Selection Menu, select the Design a Program option (option 3).
3. Select the Rename option (option 6).
4. In the From name field, enter the initial name of the desired program. For example, enter START_FACILITY.
5. In the To name field, enter the new name for the program. For example, enter START_FACILITY_OLD.
6. Press PF6.

MANTIS renames the entity.

C

Renaming a screen entity

This appendix provides detailed instructions on renaming a screen entity. To rename a screen entity, perform the following:

1. Sign on as the MASTER User.
2. On the MANTIS Facility Selection Menu, select the Design a Screen option (option 4).
3. Select the Library Functions option (option 7).
4. Enter the name of your existing screen. For example, enter START_FACILITY.
5. Press PF3.

MANTIS fetches the screen.

6. Modify the screen name. For example, you might modify START_FACILITY so that it becomes START_FACILITY_OLD.
7. Press PF1.

MANTIS saves the screen under a new name.



If you would like to change another screen name, return to step 4.
